



DATA VALIDATION REPORT

Gold King Mine Release Incident

SAMPLE DELIVERY GROUP: 680-116014-1

Prepared by

MECX
12269 East Vassar Drive
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I. INTRODUCTION

Task Order Title: Gold King Mine Release Incident
Project No.: 20408.012.001.0267.00
Sample Delivery Group: 680-116014-1
EPA Project Manager: Steve Way
Weston Project Manager: Dave Robinson
TDD No.: 0001/1508-04
Matrix: Water
QC Level: Stage 2A
No. of Samples: 25
No. of Reanalyses/Dilutions: 0
Laboratory: TestAmerica – Savannah

This data validation report was revised to include updates to the Data Qualifier Reference Table and to qualify samples using the UB and/or UJB qualifiers. This report is presented as Revision 1.

Table 1. Sample Identification

Location ID	Lab Sample Name	Matrix Type	Collection Date	Method
A68_082415	680-116014-9	Water	08/24/2015 14:00	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
A72_082415	680-116014-10	Water	08/24/2015 14:40	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
CC06_082415	680-116014-1	Water	08/24/2015 08:36	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
CC48_082415	680-116014-11	Water	08/24/2015 15:35	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
GKMSW01_082515	680-116014-12	Water	08/25/2015 09:25	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
GKMSW02_082415	680-116014-13	Water	08/24/2015 17:00	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
GKMSW04_082515	680-116014-14	Water	08/25/2015 10:30	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
GKMSW05_082515	680-116014-15	Water	08/25/2015 09:45	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
GKMSW20_081815	680-116014-25	Water	08/25/2015 10:17	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
GKMSW22_082415	680-116014-16	Water	08/24/2015 14:15	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
GKMSW23_082415	680-116014-17	Water	08/24/2015 14:30	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
GKMSW24_082515	680-116014-2	Water	08/25/2015 10:20	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
GKMSW25_082515	680-116014-3	Water	08/25/2015 10:58	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
GKMSW26_082515	680-116014-4	Water	08/25/2015 11:10	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H



Location ID	Lab Sample Name	Matrix Type	Collection Date	Method
GKMSW27_082515	680-116014-5	Water	08/25/2015 11:30	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
GKMSW28_082515	680-116014-6	Water	08/25/2015 11:40	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
GKMTW209_082515	680-116014-18	Water	08/25/2015 10:30	200.7, 200.8, 245.1, 2340B
GKMTW330_082515	680-116014-19	Water	08/25/2015 12:15	200.7, 200.8, 245.1, 2340B
GKMTW381_082415	680-116014-20	Water	08/24/2015 11:40	200.7, 200.8, 245.1, 2340B
GKMTW385_082415	680-116014-21	Water	08/24/2015 10:30	200.7, 200.8, 245.1, 2340B
GKMTW443_082515	680-116014-22	Water	08/25/2015 10:50	200.7, 200.8, 245.1, 2340B
GKMTW493_082515	680-116014-23	Water	08/25/2015 10:00	200.7, 200.8, 245.1, 2340B
GKMTW509_082515	680-116014-24	Water	08/25/2015 09:20	200.7, 200.8, 245.1, 2340B
GKMTW902_082515	680-116014-7	Water	08/25/2015 10:45	200.7, 200.8, 245.1, 2340B
TP04_082415	680-116014-8	Water	08/24/2015 11:40	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H

II. Sample Management

Anomalies regarding sample management were not observed, with several exceptions listed below. The samples were received within the temperature limits of $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$. The samples were received intact, on ice, and properly preserved, as applicable. The chains-of-custody (COCs) were appropriately signed and dated by field and laboratory personnel. The presence or absence of custody seals on the cooler was not specifically noted.

- Although the name of the original electronic data package file indicated the data were final, the case narrative indicated reanalyses were required for several samples. The subsequently released revised data package included revised results for several samples.
- Sample GKMSW20_081815 was not listed on the COC. The laboratory analyzed the sample as per previous direction from Weston Solutions. This issue was noted in the Case Narrative.
- A correction made to the COC by laboratory personnel was made by overwriting the original entries. This correction was not initialed or dated.
- Except as listed above, no issues were noted by the laboratory in the case narrative.
- The COCs did not list CLP sample IDs, and none were provided. The laboratory logged the samples per the location IDs on the COCs.
- The presence or absence of sample tags was not noted in the case narrative, and sample tags were not listed on the COCs.



Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit. The associated value is the quantitation limit or the estimated detection limit for dioxins or PCB congeners.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit. The associated value is the sample detection limit or the quantitation limit for perchlorate only.
UB	The analyte was detected in the sample and in either the associated laboratory blank or field blank. If detected below the reporting limit (RL) the analyte result was reported as non-detected at the RL due to blank contamination. If detected above the RL, the analyte result was reported as non-detected at the reported result due to blank contamination.	The analyte was detected in the sample and in either the associated laboratory blank or field blank. If detected below the reporting limit (RL) the analyte result was reported as non-detected at the RL due to blank contamination. If detected above the RL, the analyte result was reported as non-detected at the reported result due to blank contamination.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J+	Not applicable	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, and may have a potential positive bias.
J-	Not applicable	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, and may have a potential negative bias.



Qualifier	Organics	Inorganics
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
UJB	The analyte was detected in the sample and in either the associated laboratory blank or field blank; the analyte result was reported as non-detected at either the RL or the reported result. The reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The analyte was detected in the sample and in either the associated laboratory blank or field blank; the analyte result was reported as non-detected at either the RL or the reported result. The reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
R	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.

**Qualification Code Reference Table**

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D was noncompliant.	Correlation coefficient is <0.995 or calibration was noncompliant.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination as indicated by the preparation (method) blank results.	Presumed contamination as indicated by the preparation (method) or calibration blank results.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
L1	LCS/LCSD RPD was outside control limits.	LCS/LCSD RPD was outside control limits.
Q	MS/MSD recovery was poor.	MS recovery was poor.
Q1	MS/MSD RPD was outside control limits.	MS/MSD RPD was outside control limits.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	ICPMS tune was not compliant.
T	Presumed contamination as indicated by the trip blank results.	Not applicable.
+	False positive – reported compound was not present.	Not applicable.
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination as indicated by the FB or ER results.	Presumed contamination as indicated by the FB or ER results.
F1	Field duplicate results were outside the control limit.	Field duplicate results were outside the control limit.
\$	Reported result or other information was incorrect.	Reported result or other information was incorrect.



Qualifier	Organics	Inorganics
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
*II, *III	Unusual problems found with the data that have been described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.	Unusual problems found with the data that have been described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.



III. Method Analyses

A. Contract Laboratory Program Statement of Work for Inorganic Superfund Methods, 200.7, 200.8, 245.1—Metals and Mercury

Reviewed By: P. Meeks

Date Reviewed: August 30 and September 3, 2015

The samples listed in Table 1 for these analyses were validated based on the guidelines outlined in the *Quality Assurance Project Plan for U. S. EPA Region 8 CERCLA Site Assessment* (2013), *United States Environmental Protection Agency Contract Laboratory Program Statement of Work for Inorganic Superfund Methods, EPA Methods 200.7, 200.8, 245.1*, and the *National Functional Guidelines for Inorganic Superfund Data Review* (2010).

- Holding Times: The analytical holding times, 28 days for mercury and six months for the remaining metals, was met.
- Analytical Method Blanks: Results in the table below associated with method blank detects above the reporting limit (RL) were qualified as nondetected (UB) at the level of contamination. Results above the RL associated with method blank detects below the RL were qualified as estimated with a potential high bias (J+). The remaining results in the table below were qualified as nondetected (UB) at the reporting limits. There were no other detects reported in the method blanks.

Analyte	Method Blank ($\mu\text{g/L}$)	Qualified Samples
Arsenic (total and dissolved)	0.651	GKMSW20_081815 (total) All dissolved results except CC06_082415 and GKMSW20_081815
Vanadium (total and dissolved)	9.86 (>RL)	GKMSW20_081815 (total) All dissolved results except GKMSW20_081815
Vanadium (total and dissolved)	19.8 (>RL)	GKMTW385_082415, GKMTW443_082515, GKMTW493_082515, GKMTW509_082515, GKMSW20_081815 (dissolved)
Chromium (total and dissolved)	2.20 (>RL)	GKMTW385_082415, GKMTW443_082515, GKMTW493_082515, GKMTW509_082515, GKMSW20_081815 (dissolved)
Arsenic (total and dissolved)	1.29 (>RL)	GKMTW385_082415, GKMTW443_082515, GKMTW493_082515, GKMTW509_082515, GKMSW20_081815 (dissolved)

- Laboratory Control Samples (LCS): A beryllium recovery was above the control limit at 121%; therefore, dissolved beryllium detected in samples CC06_082415, CC48_082415,

and TP04_082415 and total beryllium detected in sample GKMSW20_081815 was qualified as estimated with a potential high bias (J+). There were other recoveries were above the control limit; however, as the associated results were not reportable, no qualifications were required. The remaining LCS recoveries were within laboratory control limits of 85-115% for the aqueous analyses and the solid mercury analyses, and 80-120% for the remaining solid analyses.

- **Laboratory Duplicates:** Laboratory duplicate analyses performed on sample CC48_082415 for all total and dissolved analytes. The results were within the control limits of relative percent differences (RPDs) $\leq 20\%$ for results $> 5 \times$ the reporting limit (RL) and within $\pm RL$ for results $< 5 \times$ the RL. Method precision was evaluated based on matrix spike/matrix spike duplicate analyses results.
- **Matrix Spike/Matrix Spike Duplicate (MS/MSD):** MS/MSD analyses were performed on the samples listed in the table below.

Parent Sample	MS/MSD Analytes
GKMTW902_082515	All analytes
CC48_082415	All total and dissolved analytes
GKMSW20_081815	200.7 and 200.8 (total), mercury (dissolved)
GKMTW443_082515	All analytes

Results were not assessed when the native concentration was more than $4 \times$ the spike amount. Results listed in the table below were qualified as estimated with a potential high bias (J+). Nondetects were not qualified for the high recoveries. The remaining aqueous recoveries were within the laboratory control limits of 75-125% for the 200.7 analytes and within 70-130% for mercury and the 200.8 analytes. RPDs were $\leq 20\%$.

The laboratory did not report the MSD recoveries or RPDs for the 200.7 total analytes for sample CC48_082415. The reviewer calculated the recoveries and RPDs and found them to be acceptable.

Parent Sample	Analyte	MS %R	MSD %R	Qualified Samples
CC48_082415	Potassium (total)	126%	--	All GKMSW samples and CC06_082415, A72_082415, CC48_082415, TP04_082415, A68_082415
	Sodium (total)	132%	127%	
	Potassium (dissolved)	137%	143%	
	Sodium (dissolved)	132%	142%	
	Vanadium (total)	133%	132%	
GKMTW443_082515	Sodium (total)	--	126%	All GKMTW samples



- Post Digestion Spike (PDS): There were no PDS analyses performed on a sample in this SDG.
- Serial Dilution: There were no serial dilution analyses performed in this SDG.
- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:
 - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were identified in this SDG.
 - Field Duplicates: There were no field duplicate samples identified in this SDG.

B. VARIOUS METHODS—General Minerals

Reviewed By: P. Meeks

Date Reviewed: August 30, 2015

The samples listed in Table 1 for these analyses were validated based on the guidelines outlined in the *Quality Assurance Project Plan for U. S. EPA Region 8 CERCLA Site Assessment* (2013), *United States Environmental Protection Agency Contract Laboratory Program Statement of Work for Inorganic Superfund Methods, Standard Methods for the Examination of Water and Wastewater 2320B, 2340B, 4500 H+, EPA Method 300.0* and the *National Functional Guidelines for Superfund Inorganic Data Review* (2010).

- Holding Times: The pH measurements were performed in a fixed laboratory rather than on-site; therefore, all pH results were qualified as estimated (J), as the analysis was not conducted in the field. No bias was assigned as the effect of the holding time exceedance could not be ascertained. The remaining analytical holding times, as listed below, were met.
 - Hardness (2340B) – 6 months
 - Alkalinity (2320B) – 14 days
 - Nitrate-N (300.0) - 48 hours
 - Remaining anions (300.0) – 28 days
 - pH (4500 H+) – as soon as possible
- Analytical Method Blanks: Alkalinity, anions, and the analytes utilized in the calculation of hardness were not detected in the method blanks.



- Laboratory Control Samples: The analytes utilized in the calculation of hardness were recovered within the metals control limits. The pH recoveries were within the laboratory control limits of 63-158%; however, the standard associated with analysis batch 298271 exceeded the EPA Method 150.1 check standard control limit of ± 0.05 pH units at +0.17. The pH results for all samples except GKMSW23_082415 and GKMSW20_081815 were qualified as estimated with a potential high bias (J+). Alkalinity recoveries were within the laboratory control limits of 80-120%, anion recoveries were within the laboratory control limits of 90-110%, and alkalinity and anion RPDs were $\leq 30\%$.
- Laboratory Duplicates: Laboratory duplicate analyses were performed on sample CC48_082415 and GKMSW20_081815 for the anions, on GKMSW24_082515 and CC48_082515 for alkalinity and pH. The pH RPDs were within the laboratory control limit of $\leq 40\%$ and within the EPA Method 150.1 check standard control limit of ± 0.05 pH units. The remaining RPDs were within the laboratory control limit of $\leq 30\%$.
- Matrix Spike: MS/MSD analyses are only applicable to the anions. MS/MSD analyses were performed on sample CC48_082415 and GKMSW20_081815. Results were not assessed when the native concentrations were more than 4 \times the spike amount. Recoveries and the RPD were within the laboratory control limits of 80-120% and $\leq 20\%$, respectively.
- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:
 - Field Blanks and Equipment Rinsates: There were no field blanks or equipment rinsates identified in this SDG.
 - Field Duplicates: There were no field duplicate samples identified in this SDG.

Validated Sample Result Forms: 680-116014-1

Analysis Method 200.7 Rev 4.4

Sample Name	CC06_082415						Matrix Type: Water		
Lab Sample Name:	680-116014-1						Sample Date:	8/24/2015 8:36:00 AM	
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	32000	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	31000	200	24	ug/L			
Calcium	T	7440-70-2	380000	5000	250	ug/L			
Calcium, Dissolved	D	7440-70-2	370000	5000	250	ug/L			
Iron	T	7439-89-6	140000	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	97000	50	17	ug/L			
Magnesium	T	7439-95-4	27000	5000	330	ug/L			
Magnesium, Dissolved	D	7439-95-4	26000	5000	330	ug/L			
Potassium	T	7440-09-7	2700	1000	17	ug/L	J+	Q	
Potassium, Dissolved	D	7440-09-7	2600	1000	17	ug/L	J+	Q	
Sodium	T	7440-23-5	870	1000	480	ug/L	J	J+	Q
Sodium, Dissolved	D	7440-23-5	980	1000	480	ug/L	J	J+	Q

Sample Name	A72_082415						Matrix Type: Water		
Lab Sample Name:	680-116014-10						Sample Date:	8/24/2015 2:40:00 PM	
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	2000	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	120	200	24	ug/L	J	J	
Calcium	T	7440-70-2	79000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	78000	500	25	ug/L			
Iron	T	7439-89-6	3400	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	870	50	17	ug/L			
Magnesium	T	7439-95-4	5300	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	5500	500	33	ug/L			
Potassium	T	7440-09-7	910	1000	17	ug/L	J	J+	Q
Potassium, Dissolved	D	7440-09-7	960	1000	17	ug/L	J	J+	Q
Sodium	T	7440-23-5	3200	1000	480	ug/L		J+	Q
Sodium, Dissolved	D	7440-23-5	3300	1000	480	ug/L		J+	Q

Analysis Method 200.7 Rev 4.4

Sample Name	CC48_082415		Matrix Type: Water						
Lab Sample Name:	680-116014-11		Sample Date: 8/24/2015 3:35:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	8700	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	7900	200	24	ug/L			
Calcium	T	7440-70-2	190000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	190000	500	25	ug/L			
Iron	T	7439-89-6	16000	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	5500	50	17	ug/L	F1		
Magnesium	T	7439-95-4	11000	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	11000	500	33	ug/L			
Potassium	T	7440-09-7	2400	1000	17	ug/L	F1	J+	Q
Potassium, Dissolved	D	7440-09-7	2000	1000	17	ug/L	F1	J+	Q
Sodium	T	7440-23-5	5400	1000	480	ug/L	F1	J+	Q
Sodium, Dissolved	D	7440-23-5	5500	1000	480	ug/L	F1	J+	Q
Sample Name	GKMSW01_082515		Matrix Type: Water						
Lab Sample Name:	680-116014-12		Sample Date: 8/25/2015 9:25:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	93	200	24	ug/L	J	J	
Aluminum, Dissolved	D	7429-90-5	24	200	24	ug/L	J	J	
Calcium	T	7440-70-2	91000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	87000	500	25	ug/L			
Iron	T	7439-89-6	350	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	13000	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	13000	500	33	ug/L			
Potassium	T	7440-09-7	4000	1000	17	ug/L		J+	Q
Potassium, Dissolved	D	7440-09-7	4200	1000	17	ug/L		J+	Q
Sodium	T	7440-23-5	24000	1000	480	ug/L		J+	Q
Sodium, Dissolved	D	7440-23-5	24000	1000	480	ug/L		J+	Q
Sample Name	GKMSW02_082415		Matrix Type: Water						
Lab Sample Name:	680-116014-13		Sample Date: 8/24/2015 5:00:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	510	200	24	ug/L			

Analysis Method 200.7 Rev 4.4

Aluminum, Dissolved	D	7429-90-5	71	200	24	ug/L	J	J
Calcium	T	7440-70-2	54000	500	25	ug/L		
Calcium, Dissolved	D	7440-70-2	53000	500	25	ug/L		
Iron	T	7439-89-6	740	50	17	ug/L		
Iron, Dissolved	D	7439-89-6	27	50	17	ug/L	J	J
Magnesium	T	7439-95-4	5600	500	33	ug/L		
Magnesium, Dissolved	D	7439-95-4	5500	500	33	ug/L		
Potassium	T	7440-09-7	930	1000	17	ug/L	J	J+ Q
Potassium, Dissolved	D	7440-09-7	940	1000	17	ug/L	J	J+ Q
Sodium	T	7440-23-5	2700	1000	480	ug/L		J+ Q
Sodium, Dissolved	D	7440-23-5	2600	1000	480	ug/L		J+ Q

Sample Name GKMSW04_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-14 **Sample Date:** 8/25/2015 10:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	57	200	24	ug/L	J	J	
Aluminum, Dissolved	D	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	94000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	87000	500	25	ug/L			
Iron	T	7439-89-6	220	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	13000	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	12000	500	33	ug/L			
Potassium	T	7440-09-7	4200	1000	17	ug/L		J+ Q	
Potassium, Dissolved	D	7440-09-7	4200	1000	17	ug/L		J+ Q	
Sodium	T	7440-23-5	25000	1000	480	ug/L		J+ Q	
Sodium, Dissolved	D	7440-23-5	24000	1000	480	ug/L		J+ Q	

Sample Name GKMSW05_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-15 **Sample Date:** 8/25/2015 9:45:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	61	200	24	ug/L	J	J	
Aluminum, Dissolved	D	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	94000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	86000	500	25	ug/L			
Iron	T	7439-89-6	230	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	13000	500	33	ug/L			

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Magnesium, Dissolved	D	7439-95-4	12000	500	33	ug/L		
Potassium	T	7440-09-7	4000	1000	17	ug/L	J+	Q
Potassium, Dissolved	D	7440-09-7	4000	1000	17	ug/L	J+	Q
Sodium	T	7440-23-5	24000	1000	480	ug/L	J+	Q
Sodium, Dissolved	D	7440-23-5	24000	1000	480	ug/L	J+	Q

Sample Name GKMSW22_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-16 **Sample Date:** 8/24/2015 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	92	200	24	ug/L	J	J	
Aluminum, Dissolved	D	7429-90-5	38	200	24	ug/L	J	J	
Calcium	T	7440-70-2	93000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	88000	500	25	ug/L			
Iron	T	7439-89-6	460	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	110	50	17	ug/L			
Magnesium	T	7439-95-4	12000	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	12000	500	33	ug/L			
Potassium	T	7440-09-7	4200	1000	17	ug/L	J+	Q	
Potassium, Dissolved	D	7440-09-7	4400	1000	17	ug/L	J+	Q	
Sodium	T	7440-23-5	25000	1000	480	ug/L	J+	Q	
Sodium, Dissolved	D	7440-23-5	26000	1000	480	ug/L	J+	Q	

Sample Name GKMSW23_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-17 **Sample Date:** 8/24/2015 2:30:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	70	200	24	ug/L	J	J	
Aluminum, Dissolved	D	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	93000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	84000	500	25	ug/L			
Iron	T	7439-89-6	210	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	12000	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	12000	500	33	ug/L			
Potassium	T	7440-09-7	4200	1000	17	ug/L	J+	Q	
Potassium, Dissolved	D	7440-09-7	4200	1000	17	ug/L	J+	Q	
Sodium	T	7440-23-5	25000	1000	480	ug/L	J+	Q	
Sodium, Dissolved	D	7440-23-5	24000	1000	480	ug/L	J+	Q	

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Sample Name: GKMTW209_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-18 **Sample Date:** 8/25/2015 10:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	23000	500	25	ug/L			
Iron	T	7439-89-6	36	50	17	ug/L	J	J	
Magnesium	T	7439-95-4	930	500	33	ug/L			
Potassium	T	7440-09-7	350	1000	17	ug/L	J	J	
Sodium	T	7440-23-5	8100	1000	480	ug/L		J+	Q

Sample Name: GKMTW330_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-19 **Sample Date:** 8/25/2015 12:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	33000	500	25	ug/L			
Iron	T	7439-89-6	17	50	17	ug/L	J	J	
Magnesium	T	7439-95-4	240	500	33	ug/L	J	J	
Potassium	T	7440-09-7	1100	1000	17	ug/L			
Sodium	T	7440-23-5	50000	1000	480	ug/L		J+	Q

Sample Name: GKMSW24_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-2 **Sample Date:** 8/25/2015 10:20:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Aluminum, Dissolved	D	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	70000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	66000	500	25	ug/L			
Iron	T	7439-89-6	54	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	23	50	17	ug/L	J	J	
Magnesium	T	7439-95-4	9400	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	8200	500	33	ug/L			
Potassium	T	7440-09-7	6900	1000	17	ug/L		J+	Q
Potassium, Dissolved	D	7440-09-7	6800	1000	17	ug/L		J+	Q
Sodium	T	7440-23-5	31000	1000	480	ug/L		J+	Q
Sodium, Dissolved	D	7440-23-5	29000	1000	480	ug/L		J+	Q

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Sample Name: GKMTW381_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-20 **Sample Date:** 8/24/2015 11:40:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	61000	500	25	ug/L			
Iron	T	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	22000	500	33	ug/L			
Potassium	T	7440-09-7	2200	1000	17	ug/L			
Sodium	T	7440-23-5	17000	1000	480	ug/L		J+	Q

Sample Name: GKMTW385_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-21 **Sample Date:** 8/24/2015 10:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	25	200	24	ug/L	J	J	
Calcium	T	7440-70-2	180000	500	25	ug/L			
Iron	T	7439-89-6	100	50	17	ug/L			
Magnesium	T	7439-95-4	71000	500	33	ug/L			
Potassium	T	7440-09-7	7300	1000	17	ug/L			
Sodium	T	7440-23-5	39000	1000	480	ug/L		J+	Q

Sample Name: GKMTW443_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-22 **Sample Date:** 8/25/2015 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	59000	500	25	ug/L			
Iron	T	7439-89-6	45	50	17	ug/L	J	J	
Magnesium	T	7439-95-4	8000	500	33	ug/L			
Potassium	T	7440-09-7	2500	1000	17	ug/L			
Sodium	T	7440-23-5	5500	1000	480	ug/L	F1	J+	Q

Sample Name: GKMTW493_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-23 **Sample Date:** 8/25/2015 10:00:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	54000	500	25	ug/L			
Iron	T	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	8000	500	33	ug/L			
Potassium	T	7440-09-7	1700	1000	17	ug/L			

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Sodium	T	7440-23-5	3000	1000	480	ug/L	J+	Q
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Sample Name	GKMTW509_082515	Matrix Type:	Water
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Lab Sample Name:	680-116014-24	Sample Date:	8/25/2015 9:20:00 AM
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Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	58000	500	25	ug/L			
Iron	T	7439-89-6	140	50	17	ug/L			
Magnesium	T	7439-95-4	7400	500	33	ug/L			
Potassium	T	7440-09-7	3000	1000	17	ug/L			
Sodium	T	7440-23-5	9900	1000	480	ug/L	J+	Q	

Sample Name	GKMSW20_081815	Matrix Type:	Water
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Lab Sample Name:	680-116014-25	Sample Date:	8/25/2015 10:17:00 AM
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Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	1600	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	31	200	24	ug/L	J	J	
Calcium	T	7440-70-2	67000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	68000	500	25	ug/L			
Iron	T	7439-89-6	2300	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	5000	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	4600	500	33	ug/L			
Potassium	T	7440-09-7	840	1000	17	ug/L	J	J+	Q
Potassium, Dissolved	D	7440-09-7	810	1000	17	ug/L	J	J+	Q
Sodium	T	7440-23-5	3000	1000	480	ug/L	J+	Q	
Sodium, Dissolved	D	7440-23-5	3200	1000	480	ug/L	J+	Q	

Sample Name	GKMSW25_082515	Matrix Type:	Water
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Lab Sample Name:	680-116014-3	Sample Date:	8/25/2015 10:58:00 AM
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Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	280	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	72	200	24	ug/L	J	J	
Calcium	T	7440-70-2	51000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	48000	500	25	ug/L			
Iron	T	7439-89-6	370	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	18	50	17	ug/L	J	J	
Magnesium	T	7439-95-4	5200	500	33	ug/L			

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Magnesium, Dissolved	D	7439-95-4	4600	500	33	ug/L		
Potassium	T	7440-09-7	1000	1000	17	ug/L	J+	Q
Potassium, Dissolved	D	7440-09-7	1000	1000	17	ug/L	J+	Q
Sodium	T	7440-23-5	3000	1000	480	ug/L	J+	Q
Sodium, Dissolved	D	7440-23-5	2900	1000	480	ug/L	J+	Q

Sample Name GKMSW26_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-4 **Sample Date:** 8/25/2015 11:10:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	310	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	61	200	24	ug/L	J	J	
Calcium	T	7440-70-2	52000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	49000	500	25	ug/L			
Iron	T	7439-89-6	470	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	19	50	17	ug/L	J	J	
Magnesium	T	7439-95-4	5200	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	4600	500	33	ug/L			
Potassium	T	7440-09-7	990	1000	17	ug/L	J	J+	Q
Potassium, Dissolved	D	7440-09-7	970	1000	17	ug/L	J	J+	Q
Sodium	T	7440-23-5	2800	1000	480	ug/L		J+	Q
Sodium, Dissolved	D	7440-23-5	2600	1000	480	ug/L		J+	Q

Sample Name GKMSW27_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-5 **Sample Date:** 8/25/2015 11:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	220	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	53	200	24	ug/L	J	J	
Calcium	T	7440-70-2	51000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	49000	500	25	ug/L			
Iron	T	7439-89-6	310	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	5100	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	4600	500	33	ug/L			
Potassium	T	7440-09-7	1000	1000	17	ug/L		J+	Q
Potassium, Dissolved	D	7440-09-7	990	1000	17	ug/L	J	J+	Q
Sodium	T	7440-23-5	2600	1000	480	ug/L		J+	Q
Sodium, Dissolved	D	7440-23-5	2500	1000	480	ug/L		J+	Q

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Sample Name	GKMSW28_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-6		Sample Date: 8/25/2015 11:40:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	500	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	59	200	24	ug/L	J	J	
Calcium	T	7440-70-2	53000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	52000	500	25	ug/L			
Iron	T	7439-89-6	750	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	5200	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	4900	500	33	ug/L			
Potassium	T	7440-09-7	930	1000	17	ug/L	J	J+	Q
Potassium, Dissolved	D	7440-09-7	920	1000	17	ug/L	J	J+	Q
Sodium	T	7440-23-5	2600	1000	480	ug/L		J+	Q
Sodium, Dissolved	D	7440-23-5	2600	1000	480	ug/L		J+	Q
Sample Name	GKMTW902_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-7		Sample Date: 8/25/2015 10:45:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	67000	500	25	ug/L			
Iron	T	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	9000	500	33	ug/L			
Potassium	T	7440-09-7	6800	1000	17	ug/L			
Sodium	T	7440-23-5	32000	1000	480	ug/L		J+	Q
Sample Name	TP04_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-8		Sample Date: 8/24/2015 11:40:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	25000	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	18000	200	24	ug/L			
Calcium	T	7440-70-2	370000	5000	250	ug/L			
Calcium, Dissolved	D	7440-70-2	390000	5000	250	ug/L			
Iron	T	7439-89-6	93000	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	57000	50	17	ug/L			
Magnesium	T	7439-95-4	35000	5000	330	ug/L			
Magnesium, Dissolved	D	7439-95-4	36000	5000	330	ug/L			

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Potassium	T	7440-09-7	2500	1000	17	ug/L	J+	Q
Potassium, Dissolved	D	7440-09-7	2600	1000	17	ug/L	J+	Q
Sodium	T	7440-23-5	35000	1000	480	ug/L	J+	Q
Sodium, Dissolved	D	7440-23-5	35000	1000	480	ug/L	J+	Q

Sample Name A68_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-9 **Sample Date:** 8/24/2015 2:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	89	200	24	ug/L	J	J	
Aluminum, Dissolved	D	7429-90-5	72	200	24	ug/L	J	J	
Calcium	T	7440-70-2	53000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	54000	500	25	ug/L			
Iron	T	7439-89-6	210	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	62	50	17	ug/L			
Magnesium	T	7439-95-4	3200	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	3200	500	33	ug/L			
Potassium	T	7440-09-7	680	1000	17	ug/L	J	J+	Q
Potassium, Dissolved	D	7440-09-7	720	1000	17	ug/L	J	J+	Q
Sodium	T	7440-23-5	2200	1000	480	ug/L		J+	Q
Sodium, Dissolved	D	7440-23-5	2200	1000	480	ug/L		J+	Q

Analysis Method 200.8

Sample Name CC06_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-1 **Sample Date:** 8/24/2015 8:36:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	2.4	1	0.4	ug/L			
Antimony, Dissolved	D	7440-36-0	0.57	1	0.4	ug/L	J	J	
Arsenic	T	7440-38-2	42	5	1.9	ug/L			
Arsenic, Dissolved	D	7440-38-2	6.4	1	0.37	ug/L	B		
Barium	T	7440-39-3	6.9	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	7.9	2	0.14	ug/L			
Beryllium	T	7440-41-7	8.2	0.4	0.15	ug/L			
Beryllium, Dissolved	D	7440-41-7	9.3	0.4	0.15	ug/L	* ^	J+	L
Cadmium	T	7440-43-9	60	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	69	0.5	0.043	ug/L			
Chromium	T	7440-47-3	4.2	2	1	ug/L			
Chromium, Dissolved	D	7440-47-3	2.9	2	1	ug/L			
Cobalt	T	7440-48-4	120	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	120	0.4	0.12	ug/L			

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Copper	T	7440-50-8	6100	1	0.5	ug/L	E
Copper, Dissolved	D	7440-50-8	6600	1	0.5	ug/L	E
Lead	T	7439-92-1	38	0.3	0.06	ug/L	
Lead, Dissolved	D	7439-92-1	25	0.3	0.06	ug/L	
Manganese	T	7439-96-5	35000	2.5	1.2	ug/L	E
Manganese, Dissolved	D	7439-96-5	36000	2.5	1.2	ug/L	E
Molybdenum	T	7439-98-7	3.5	1	0.45	ug/L	
Molybdenum, Dissolved	D	7439-98-7	0.76	1	0.45	ug/L	J J
Nickel	T	7440-02-0	71	1	0.4	ug/L	
Nickel, Dissolved	D	7440-02-0	80	1	0.4	ug/L	
Selenium	T	7782-49-2	7	10	2.9	ug/L	J J
Selenium, Dissolved	D	7782-49-2	2.5	2	0.58	ug/L	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U U
Thallium	T	7440-28-0	0.44	0.2	0.1	ug/L	
Thallium, Dissolved	D	7440-28-0	0.45	0.2	0.1	ug/L	
Vanadium	T	7440-62-2	30	1	0.3	ug/L	J+ Q
Vanadium, Dissolved	D	7440-62-2	3.4	1	0.3	ug/L	UB B
Zinc	T	7440-66-6	28000	20	2.8	ug/L	E
Zinc, Dissolved	D	7440-66-6	28000	20	2.8	ug/L	E ^

Sample Name A72_082415

Matrix Type: Water

Lab Sample Name: 680-116014-10 Sample Date: 8/24/2015 2:40:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U U		
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U U		
Arsenic	T	7440-38-2	1.3	1	0.37	ug/L			
Arsenic, Dissolved	D	7440-38-2	1	1	0.37	ug/L	J B ^	UB B	
Barium	T	7440-39-3	25	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	26	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.32	0.4	0.15	ug/L	J ^	J	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U * ^	U	
Cadmium	T	7440-43-9	2.2	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	2.2	0.5	0.043	ug/L			
Chromium	T	7440-47-3	1	2	1	ug/L	U U		
Chromium, Dissolved	D	7440-47-3	1.4	2	1	ug/L	J ^	J	
Cobalt	T	7440-48-4	6.7	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	7.2	0.4	0.12	ug/L			
Copper	T	7440-50-8	63	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	17	1	0.5	ug/L			

Analysis Method 200.8

Lead	T	7439-92-1	6.1	0.3	0.06	ug/L		
Lead, Dissolved	D	7439-92-1	0.35	0.3	0.06	ug/L		
Manganese	T	7439-96-5	1400	2.5	1.2	ug/L		
Manganese, Dissolved	D	7439-96-5	1500	2.5	1.2	ug/L		
Molybdenum	T	7439-98-7	0.98	1	0.45	ug/L	J	J
Molybdenum, Dissolved	D	7439-98-7	0.67	1	0.45	ug/L	J	J
Nickel	T	7440-02-0	6.4	1	0.4	ug/L		
Nickel, Dissolved	D	7440-02-0	8.4	1	0.4	ug/L		
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	1.4	1	0.3	ug/L	^	J+ Q
Vanadium, Dissolved	D	7440-62-2	14	1	0.3	ug/L	B * ^	UB B
Zinc	T	7440-66-6	740	20	2.8	ug/L		
Zinc, Dissolved	D	7440-66-6	710	20	2.8	ug/L	^	

Sample Name: CC48_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-11 **Sample Date:** 8/24/2015 3:35:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	7.2	5	1.9	ug/L			
Arsenic, Dissolved	D	7440-38-2	1	1	0.37	ug/L	J B	UB B	
Barium	T	7440-39-3	21	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	15	2	0.14	ug/L			
Beryllium	T	7440-41-7	1.4	0.4	0.15	ug/L			
Beryllium, Dissolved	D	7440-41-7	1.5	0.4	0.15	ug/L	^ *	J+ L	
Cadmium	T	7440-43-9	9.6	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	9.8	0.5	0.043	ug/L			
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	30	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	31	0.4	0.12	ug/L			
Copper	T	7440-50-8	440	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	450	1	0.5	ug/L			
Lead	T	7439-92-1	65	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	25	0.3	0.06	ug/L			

Analysis Method 200.8

Manganese	T	7439-96-5	6400	2.5	1.2	ug/L	E	
Manganese, Dissolved	D	7439-96-5	6700	2.5	1.2	ug/L	E	
Molybdenum	T	7439-98-7	0.88	1	0.45	ug/L	J	J
Molybdenum, Dissolved	D	7439-98-7	0.45	1	0.45	ug/L	U	U
Nickel	T	7440-02-0	23	1	0.4	ug/L		
Nickel, Dissolved	D	7440-02-0	25	1	0.4	ug/L		
Selenium	T	7782-49-2	4.6	10	2.9	ug/L	J	J
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U
Silver	T	7440-22-4	0.16	1	0.1	ug/L	J	J
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.27	0.2	0.1	ug/L		
Thallium, Dissolved	D	7440-28-0	0.23	0.2	0.1	ug/L		
Vanadium	T	7440-62-2	6	1	0.3	ug/L		J+ Q
Vanadium, Dissolved	D	7440-62-2	1.2	1	0.3	ug/L	F1 B ^ *	UB B
Zinc	T	7440-66-6	3700	20	2.8	ug/L	E	
Zinc, Dissolved	D	7440-66-6	3700	20	2.8	ug/L	E	

Sample Name: GKMSW01_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-12 **Sample Date:** 8/25/2015 9:25:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.65	1	0.37	ug/L	J	J	
Arsenic, Dissolved	D	7440-38-2	1.1	1	0.37	ug/L	B ^	J+ B	
Barium	T	7440-39-3	63	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	63	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U ^	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U * ^	U	
Cadmium	T	7440-43-9	0.24	0.5	0.043	ug/L	J	J	
Cadmium, Dissolved	D	7440-43-9	0.094	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1.6	2	1	ug/L	J ^	J	
Cobalt	T	7440-48-4	0.41	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	0.71	0.4	0.12	ug/L			
Copper	T	7440-50-8	2.2	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	1.2	1	0.5	ug/L			
Lead	T	7439-92-1	3.6	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.06	0.3	0.06	ug/L	U	U	
Manganese	T	7439-96-5	78	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	41	2.5	1.2	ug/L			

Analysis Method 200.8

Molybdenum	T	7439-98-7	1.2	1	0.45	ug/L		
Molybdenum, Dissolved	D	7439-98-7	1.2	1	0.45	ug/L		
Nickel	T	7440-02-0	3.3	1	0.4	ug/L		
Nickel, Dissolved	D	7440-02-0	4.8	1	0.4	ug/L		
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	0.93	1	0.3	ug/L	J ^	J+ Q
Vanadium, Dissolved	D	7440-62-2	13	1	0.3	ug/L	B * ^	UB B
Zinc	T	7440-66-6	47	20	2.8	ug/L		
Zinc, Dissolved	D	7440-66-6	23	20	2.8	ug/L	^	

Sample Name: GKMSW02_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-13 **Sample Date:** 8/24/2015 5:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.49	1	0.37	ug/L	J	J	
Arsenic, Dissolved	D	7440-38-2	1	1	0.37	ug/L	J B ^	UB B	
Barium	T	7440-39-3	35	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	34	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U ^	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U * ^	U	
Cadmium	T	7440-43-9	0.81	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	0.68	0.5	0.043	ug/L			
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1.9	2	1	ug/L	J ^	J	
Cobalt	T	7440-48-4	2.4	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	2.5	0.4	0.12	ug/L			
Copper	T	7440-50-8	16	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	3.1	1	0.5	ug/L			
Lead	T	7439-92-1	2.2	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.13	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	560	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	570	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	0.62	1	0.45	ug/L	J	J	
Molybdenum, Dissolved	D	7439-98-7	0.57	1	0.45	ug/L	J	J	

Analysis Method 200.8

Nickel	T	7440-02-0	3.4	1	0.4	ug/L		
Nickel, Dissolved	D	7440-02-0	4.4	1	0.4	ug/L		
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	1.3	1	0.3	ug/L	^	J+ Q
Vanadium, Dissolved	D	7440-62-2	16	1	0.3	ug/L	B * ^	UB B
Zinc	T	7440-66-6	240	20	2.8	ug/L		
Zinc, Dissolved	D	7440-66-6	160	20	2.8	ug/L	^	

Sample Name GKMSW04_082515 Matrix Type: Water

Lab Sample Name: 680-116014-14 Sample Date: 8/25/2015 10:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.85	1	0.37	ug/L	J	J	
Arsenic, Dissolved	D	7440-38-2	1.5	1	0.37	ug/L	B ^	J+ B	
Barium	T	7440-39-3	61	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	61	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U ^	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U * ^	U	
Cadmium	T	7440-43-9	0.22	0.5	0.043	ug/L	J	J	
Cadmium, Dissolved	D	7440-43-9	0.17	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1.9	2	1	ug/L	J ^	J	
Cobalt	T	7440-48-4	0.44	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	1.4	0.4	0.12	ug/L			
Copper	T	7440-50-8	1.6	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	0.93	1	0.5	ug/L	J	J	
Lead	T	7439-92-1	2.1	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.06	0.3	0.06	ug/L	U	U	
Manganese	T	7439-96-5	120	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	110	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	1.1	1	0.45	ug/L			
Molybdenum, Dissolved	D	7439-98-7	1.2	1	0.45	ug/L			
Nickel	T	7440-02-0	3.5	1	0.4	ug/L			
Nickel, Dissolved	D	7440-02-0	4.9	1	0.4	ug/L			

Analysis Method 200.8

Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	1.1	1	0.3	ug/L	^	J+ Q
Vanadium, Dissolved	D	7440-62-2	15	1	0.3	ug/L	B * ^	UB B
Zinc	T	7440-66-6	57	20	2.8	ug/L		
Zinc, Dissolved	D	7440-66-6	50	20	2.8	ug/L	^	

Sample Name GKMSW05_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-15 **Sample Date:** 8/25/2015 9:45:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	1.1	1	0.37	ug/L			
Arsenic, Dissolved	D	7440-38-2	1.4	1	0.37	ug/L	B ^	J+ B	
Barium	T	7440-39-3	63	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	62	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U ^	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U * ^	U	
Cadmium	T	7440-43-9	0.19	0.5	0.043	ug/L	J	J	
Cadmium, Dissolved	D	7440-43-9	0.14	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	2	2	1	ug/L	^		
Cobalt	T	7440-48-4	0.4	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	1.3	0.4	0.12	ug/L			
Copper	T	7440-50-8	1.7	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	1	1	0.5	ug/L			
Lead	T	7439-92-1	2.1	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.06	0.3	0.06	ug/L	U	U	
Manganese	T	7439-96-5	77	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	60	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	1.2	1	0.45	ug/L			
Molybdenum, Dissolved	D	7439-98-7	1.2	1	0.45	ug/L			
Nickel	T	7440-02-0	3.5	1	0.4	ug/L			
Nickel, Dissolved	D	7440-02-0	5.1	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U	

Analysis Method 200.8

Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	1.5	1	0.3	ug/L	^	J+ Q
Vanadium, Dissolved	D	7440-62-2	15	1	0.3	ug/L	B * ^	UB B
Zinc	T	7440-66-6	44	20	2.8	ug/L		
Zinc, Dissolved	D	7440-66-6	31	20	2.8	ug/L	^	

Sample Name GKMSW22_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-16 **Sample Date:** 8/24/2015 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	1.2	1	0.37	ug/L			
Arsenic, Dissolved	D	7440-38-2	1.7	1	0.37	ug/L	B ^	J+ B	
Barium	T	7440-39-3	58	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	60	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U ^	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U * ^	U	
Cadmium	T	7440-43-9	0.24	0.5	0.043	ug/L	J	J	
Cadmium, Dissolved	D	7440-43-9	0.16	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	2.3	2	1	ug/L	^		
Cobalt	T	7440-48-4	0.5	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	0.63	0.4	0.12	ug/L			
Copper	T	7440-50-8	2.5	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	3.1	1	0.5	ug/L			
Lead	T	7439-92-1	4.8	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	1.6	0.3	0.06	ug/L			
Manganese	T	7439-96-5	130	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	150	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	1.2	1	0.45	ug/L			
Molybdenum, Dissolved	D	7439-98-7	1.4	1	0.45	ug/L			
Nickel	T	7440-02-0	3.6	1	0.4	ug/L			
Nickel, Dissolved	D	7440-02-0	6.3	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	

Analysis Method 200.8

Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	1.7	1	0.3	ug/L	[^]	J+ Q
Vanadium, Dissolved	D	7440-62-2	17	1	0.3	ug/L	B * [^]	UB B
Zinc	T	7440-66-6	51	20	2.8	ug/L		
Zinc, Dissolved	D	7440-66-6	28	20	2.8	ug/L	[^]	

Sample Name GKMSW23_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-17 **Sample Date:** 8/24/2015 2:30:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	1.1	1	0.37	ug/L			
Arsenic, Dissolved	D	7440-38-2	1.9	1	0.37	ug/L	B [^]	J+ B	
Barium	T	7440-39-3	59	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	58	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U [^]	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U * [^]	U	
Cadmium	T	7440-43-9	0.2	0.5	0.043	ug/L	J	J	
Cadmium, Dissolved	D	7440-43-9	0.18	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	2.2	2	1	ug/L	[^]		
Cobalt	T	7440-48-4	0.49	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	0.59	0.4	0.12	ug/L			
Copper	T	7440-50-8	1.7	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	1.7	1	0.5	ug/L			
Lead	T	7439-92-1	1.7	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.14	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	120	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	120	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	1.1	1	0.45	ug/L			
Molybdenum, Dissolved	D	7439-98-7	1.1	1	0.45	ug/L			
Nickel	T	7440-02-0	3.7	1	0.4	ug/L			
Nickel, Dissolved	D	7440-02-0	5.1	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U	

Analysis Method 200.8

Vanadium	T	7440-62-2	1.8	1	0.3	ug/L	^	J+	Q
Vanadium, Dissolved	D	7440-62-2	16	1	0.3	ug/L	B * ^	UB	B
Zinc	T	7440-66-6	52	20	2.8	ug/L			
Zinc, Dissolved	D	7440-66-6	37	20	2.8	ug/L	^		

Sample Name: GKMTW209_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-18 **Sample Date:** 8/25/2015 10:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.37	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	51	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U ^	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1.2	2	1	ug/L	J	J	
Cobalt	T	7440-48-4	0.12	0.4	0.12	ug/L	U	U	
Copper	T	7440-50-8	2.7	1	0.5	ug/L			
Lead	T	7439-92-1	0.087	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	40	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	0.69	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	0.88	1	0.4	ug/L	J	J	
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	12	1	0.3	ug/L	^		
Zinc	T	7440-66-6	4.3	20	2.8	ug/L	J	J	

Sample Name: GKMTW330_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-19 **Sample Date:** 8/25/2015 12:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	3.1	1	0.37	ug/L			
Barium	T	7440-39-3	91	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.75	2	0.75	ug/L	U	U	
Cadmium	T	7440-43-9	0.18	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	5	10	5	ug/L	U	U	
Cobalt	T	7440-48-4	0.6	2	0.6	ug/L	U	U	
Copper	T	7440-50-8	20	5	2.5	ug/L			
Lead	T	7439-92-1	1.1	0.3	0.06	ug/L			
Manganese	T	7439-96-5	41	13	6	ug/L			
Molybdenum	T	7439-98-7	190	1	0.45	ug/L	U	U	
Nickel	T	7440-02-0	2	5	2	ug/L			

Analysis Method 200.8

Selenium	T	7782-49-2	2.9	10	2.9	ug/L	U	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	1.5	5	1.5	ug/L	U	U
Zinc	T	7440-66-6	33	100	14	ug/L	J	J

Sample Name GKMSW24_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-2 **Sample Date:** 8/25/2015 10:20:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.37	1	0.37	ug/L	U	U	
Arsenic, Dissolved	D	7440-38-2	1	1	0.37	ug/L	J B	UB	B
Barium	T	7440-39-3	34	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	34	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U * ^	U	
Cadmium	T	7440-43-9	0.063	0.5	0.043	ug/L	J	J	
Cadmium, Dissolved	D	7440-43-9	0.068	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1.2	2	1	ug/L	J	J	
Cobalt	T	7440-48-4	0.24	0.4	0.12	ug/L	J	J	
Cobalt, Dissolved	D	7440-48-4	0.34	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	1.7	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	3.4	1	0.5	ug/L			
Lead	T	7439-92-1	0.15	0.3	0.06	ug/L	J	J	
Lead, Dissolved	D	7439-92-1	0.06	0.3	0.06	ug/L	U	U	
Manganese	T	7439-96-5	13	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	13	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	0.45	1	0.45	ug/L	U	U	
Molybdenum, Dissolved	D	7439-98-7	0.45	1	0.45	ug/L	U	U	
Nickel	T	7440-02-0	2.3	1	0.4	ug/L			
Nickel, Dissolved	D	7440-02-0	3.4	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.46	1	0.3	ug/L	J	J+	Q

Analysis Method 200.8

Vanadium, Dissolved D		7440-62-2	7.1	1	0.3	ug/L	B * ^	UB	B
Zinc	T	7440-66-6	15	20	2.8	ug/L	J	J	
Zinc, Dissolved	D	7440-66-6	17	20	2.8	ug/L	J ^	J	

Sample Name GKMTW381_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-20 **Sample Date:** 8/24/2015 11:40:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.61	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	110	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U ^	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.26	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	8.7	1	0.5	ug/L			
Lead	T	7439-92-1	0.54	0.3	0.06	ug/L			
Manganese	T	7439-96-5	10	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	1.1	1	0.45	ug/L			
Nickel	T	7440-02-0	2.5	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	1.6	1	0.3	ug/L	^		
Zinc	T	7440-66-6	12	20	2.8	ug/L	J	J	

Sample Name GKMTW385_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-21 **Sample Date:** 8/24/2015 10:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	1.5	1	0.37	ug/L	B ^	UB	B
Barium	T	7440-39-3	20	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U ^ *	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	3.4	2	1	ug/L	B ^	UB	B
Cobalt	T	7440-48-4	0.92	0.4	0.12	ug/L			
Copper	T	7440-50-8	35	1	0.5	ug/L			
Lead	T	7439-92-1	0.97	0.3	0.06	ug/L			
Manganese	T	7439-96-5	1.4	2.5	1.2	ug/L	J	J	
Molybdenum	T	7439-98-7	1.2	1	0.45	ug/L			
Nickel	T	7440-02-0	9.7	1	0.4	ug/L			
Selenium	T	7782-49-2	2.3	2	0.58	ug/L	^		

Analysis Method 200.8

Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.16	0.2	0.1	ug/L	J	J
Vanadium	T	7440-62-2	17	1	0.3	ug/L	B ^ *	UB B
Zinc	T	7440-66-6	16	20	2.8	ug/L	J	J

Sample Name GKMTW443_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-22 **Sample Date:** 8/25/2015 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	1.1	1	0.37	ug/L	B ^	UB B	
Barium	T	7440-39-3	47	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U ^ *	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	2.3	2	1	ug/L	B ^	UB B	
Cobalt	T	7440-48-4	0.27	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	7.8	1	0.5	ug/L			
Lead	T	7439-92-1	0.13	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	1.2	2.5	1.2	ug/L	U	U	
Molybdenum	T	7439-98-7	0.45	1	0.45	ug/L	U	U	
Nickel	T	7440-02-0	3.1	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U ^	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	17	1	0.3	ug/L	B ^ *	UB B	
Zinc	T	7440-66-6	46	20	2.8	ug/L			

Sample Name GKMTW493_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-23 **Sample Date:** 8/25/2015 10:00:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	2	1	0.37	ug/L	B ^	UB B	
Barium	T	7440-39-3	59	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U ^ *	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	2.9	2	1	ug/L	B ^	UB B	
Cobalt	T	7440-48-4	0.28	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	0.91	1	0.5	ug/L	J	J	
Lead	T	7439-92-1	0.12	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	1.2	2.5	1.2	ug/L	U	U	
Molybdenum	T	7439-98-7	0.66	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	3.3	1	0.4	ug/L			

Analysis Method 200.8

Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U ^	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	19	1	0.3	ug/L	B ^ *	UB B
Zinc	T	7440-66-6	4.2	20	2.8	ug/L	J	J

Sample Name GKMTW509_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-24 **Sample Date:** 8/25/2015 9:20:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	1.4	1	0.37	ug/L	B ^	UB B	
Barium	T	7440-39-3	58	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U * ^	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	2.7	2	1	ug/L	B ^	UB B	
Cobalt	T	7440-48-4	0.28	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	25	1	0.5	ug/L			
Lead	T	7439-92-1	8.3	0.3	0.06	ug/L			
Manganese	T	7439-96-5	2.3	2.5	1.2	ug/L	J	J	
Molybdenum	T	7439-98-7	0.45	1	0.45	ug/L	U	U	
Nickel	T	7440-02-0	3.3	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U ^	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	21	1	0.3	ug/L	B * ^	UB B	
Zinc	T	7440-66-6	19	20	2.8	ug/L	J	J	

Sample Name GKMSW20_081815 **Matrix Type:** Water

Lab Sample Name: 680-116014-25 **Sample Date:** 8/25/2015 10:17:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	1.4	1	0.37	ug/L	B	J+ B	
Arsenic, Dissolved	D	7440-38-2	1.1	1	0.37	ug/L	B ^	UB B	
Barium	T	7440-39-3	27	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	27	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.25	0.4	0.15	ug/L	J ^ *	J+ L	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U * ^	U	
Cadmium	T	7440-43-9	1.9	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	1.7	0.5	0.043	ug/L			
Chromium	T	7440-47-3	1.2	2	1	ug/L	J	J	

Analysis Method 200.8

Chromium, Dissolved	D	7440-47-3	2.6	2	1	ug/L	B ^	UB	B
Cobalt	T	7440-48-4	5.6	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	7.4	0.4	0.12	ug/L			
Copper	T	7440-50-8	55	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	2.9	1	0.5	ug/L			
Lead	T	7439-92-1	5.3	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.06	0.3	0.06	ug/L	U	U	
Manganese	T	7439-96-5	1200	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	1200	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	0.88	1	0.45	ug/L	J	J	
Molybdenum, Dissolved	D	7439-98-7	0.69	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	6.2	1	0.4	ug/L			
Nickel, Dissolved	D	7440-02-0	7.1	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U ^	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	12	1	0.3	ug/L	B ^ *	UB	B
Vanadium, Dissolved	D	7440-62-2	21	1	0.3	ug/L	B * ^	UB	B
Zinc	T	7440-66-6	660	20	2.8	ug/L			
Zinc, Dissolved	D	7440-66-6	480	20	2.8	ug/L			

Sample Name GKMSW25_082515

Matrix Type: Water

Lab Sample Name: 680-116014-3 **Sample Date:** 8/25/2015 10:58:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.6	1	0.37	ug/L	J	J	
Arsenic, Dissolved	D	7440-38-2	1	1	0.37	ug/L	J B	UB	B
Barium	T	7440-39-3	40	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	40	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U * ^	U	
Cadmium	T	7440-43-9	0.32	0.5	0.043	ug/L	J	J	
Cadmium, Dissolved	D	7440-43-9	0.25	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1.4	2	1	ug/L	J	J	
Cobalt	T	7440-48-4	1.2	0.4	0.12	ug/L			

Analysis Method 200.8

Cobalt, Dissolved	D	7440-48-4	1.1	0.4	0.12	ug/L		
Copper	T	7440-50-8	6	1	0.5	ug/L		
Copper, Dissolved	D	7440-50-8	3.2	1	0.5	ug/L		
Lead	T	7439-92-1	2.3	0.3	0.06	ug/L		
Lead, Dissolved	D	7439-92-1	0.14	0.3	0.06	ug/L	J	J
Manganese	T	7439-96-5	360	2.5	1.2	ug/L		
Manganese, Dissolved	D	7439-96-5	320	2.5	1.2	ug/L		
Molybdenum	T	7439-98-7	0.65	1	0.45	ug/L	J	J
Molybdenum, Dissolved	D	7439-98-7	0.7	1	0.45	ug/L	J	J
Nickel	T	7440-02-0	2.5	1	0.4	ug/L		
Nickel, Dissolved	D	7440-02-0	3.8	1	0.4	ug/L		
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	0.92	1	0.3	ug/L	J	J+ Q
Vanadium, Dissolved	D	7440-62-2	13	1	0.3	ug/L	B * ^	UB B
Zinc	T	7440-66-6	110	20	2.8	ug/L		
Zinc, Dissolved	D	7440-66-6	61	20	2.8	ug/L	^	

Sample Name GKMSW26_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-4 **Sample Date:** 8/25/2015 11:10:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.37	1	0.37	ug/L	J	J	
Arsenic, Dissolved	D	7440-38-2	1	1	0.37	ug/L	J B	UB B	
Barium	T	7440-39-3	41	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	41	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U * ^	U	
Cadmium	T	7440-43-9	0.35	0.5	0.043	ug/L	J	J	
Cadmium, Dissolved	D	7440-43-9	0.28	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1.4	2	1	ug/L	J	J	
Cobalt	T	7440-48-4	1.5	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	1.5	0.4	0.12	ug/L			
Copper	T	7440-50-8	6.8	1	0.5	ug/L			

Analysis Method 200.8

Copper, Dissolved	D	7440-50-8	2.2	1	0.5	ug/L		
Lead	T	7439-92-1	2	0.3	0.06	ug/L		
Lead, Dissolved	D	7439-92-1	0.12	0.3	0.06	ug/L	J	J
Manganese	T	7439-96-5	470	2.5	1.2	ug/L		
Manganese, Dissolved	D	7439-96-5	480	2.5	1.2	ug/L		
Molybdenum	T	7439-98-7	0.61	1	0.45	ug/L	J	J
Molybdenum, Dissolved	D	7439-98-7	0.61	1	0.45	ug/L	J	J
Nickel	T	7440-02-0	2.8	1	0.4	ug/L		
Nickel, Dissolved	D	7440-02-0	3.9	1	0.4	ug/L		
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	0.89	1	0.3	ug/L	J	J+ Q
Vanadium, Dissolved	D	7440-62-2	13	1	0.3	ug/L	B * ^	UB B
Zinc	T	7440-66-6	130	20	2.8	ug/L		
Zinc, Dissolved	D	7440-66-6	87	20	2.8	ug/L	^	

Sample Name: GKMSW27_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-5 **Sample Date:** 8/25/2015 11:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.58	1	0.37	ug/L	J	J	
Arsenic, Dissolved	D	7440-38-2	1.3	1	0.37	ug/L	B	J+ B	
Barium	T	7440-39-3	48	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	51	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U * ^	U	
Cadmium	T	7440-43-9	0.16	0.5	0.043	ug/L	J	J	
Cadmium, Dissolved	D	7440-43-9	0.095	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1.7	2	1	ug/L	J	J	
Cobalt	T	7440-48-4	0.91	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	0.95	0.4	0.12	ug/L			
Copper	T	7440-50-8	3.1	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	1.5	1	0.5	ug/L			
Lead	T	7439-92-1	2.1	0.3	0.06	ug/L			

Analysis Method 200.8

Lead, Dissolved	D	7439-92-1	0.13	0.3	0.06	ug/L	J	J
Manganese	T	7439-96-5	620	2.5	1.2	ug/L		
Manganese, Dissolved	D	7439-96-5	650	2.5	1.2	ug/L		
Molybdenum	T	7439-98-7	0.79	1	0.45	ug/L	J	J
Molybdenum, Dissolved	D	7439-98-7	0.88	1	0.45	ug/L	J	J
Nickel	T	7440-02-0	2.3	1	0.4	ug/L		
Nickel, Dissolved	D	7440-02-0	3.4	1	0.4	ug/L		
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	1.1	1	0.3	ug/L	J+	Q
Vanadium, Dissolved	D	7440-62-2	15	1	0.3	ug/L	B * ^	UB B
Zinc	T	7440-66-6	64	20	2.8	ug/L		
Zinc, Dissolved	D	7440-66-6	41	20	2.8	ug/L	^	

Sample Name: GKMSW28_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-6 **Sample Date:** 8/25/2015 11:40:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.5	1	0.37	ug/L	J	J	
Arsenic, Dissolved	D	7440-38-2	1.1	1	0.37	ug/L	B	J+	B
Barium	T	7440-39-3	34	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	35	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U * ^	U	
Cadmium	T	7440-43-9	0.77	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	0.68	0.5	0.043	ug/L			
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1.6	2	1	ug/L	J	J	
Cobalt	T	7440-48-4	2.3	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	2.5	0.4	0.12	ug/L			
Copper	T	7440-50-8	14	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	2.7	1	0.5	ug/L			
Lead	T	7439-92-1	2.3	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.084	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	540	2.5	1.2	ug/L			

Analysis Method 200.8

Manganese, Dissolved	D	7439-96-5	560	2.5	1.2	ug/L		
Molybdenum	T	7439-98-7	0.61	1	0.45	ug/L	J	J
Molybdenum, Dissolved	D	7439-98-7	0.59	1	0.45	ug/L	J	J
Nickel	T	7440-02-0	3.3	1	0.4	ug/L		
Nickel, Dissolved	D	7440-02-0	4.6	1	0.4	ug/L		
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	1.2	1	0.3	ug/L	J+	Q
Vanadium, Dissolved	D	7440-62-2	15	1	0.3	ug/L	B * ^	UB B
Zinc	T	7440-66-6	250	20	2.8	ug/L		
Zinc, Dissolved	D	7440-66-6	160	20	2.8	ug/L	^	

Sample Name: GKMTW902_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-7 **Sample Date:** 8/25/2015 10:45:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.37	1	0.37	ug/L	U	U	
Barium	T	7440-39-3	33	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.2	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	2.4	1	0.5	ug/L			
Lead	T	7439-92-1	0.39	0.3	0.06	ug/L			
Manganese	T	7439-96-5	1.7	2.5	1.2	ug/L	J	J	
Molybdenum	T	7439-98-7	0.45	1	0.45	ug/L	U	U	
Nickel	T	7440-02-0	2.2	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.31	1	0.3	ug/L	J	J	
Zinc	T	7440-66-6	71	20	2.8	ug/L			

Sample Name: TP04_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-8 **Sample Date:** 8/24/2015 11:40:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
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Analysis Method 200.8

Antimony	T	7440-36-0	1.4	1	0.4	ug/L		
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U
Arsenic	T	7440-38-2	21	5	1.9	ug/L		
Arsenic, Dissolved	D	7440-38-2	1	1	0.37	ug/L	J B	UB B
Barium	T	7440-39-3	7.7	2	0.14	ug/L		
Barium, Dissolved	D	7440-39-3	9.4	2	0.14	ug/L		
Beryllium	T	7440-41-7	6.3	0.4	0.15	ug/L		
Beryllium, Dissolved	D	7440-41-7	5.9	0.4	0.15	ug/L	* ^	J+ L
Cadmium	T	7440-43-9	66	0.5	0.043	ug/L		
Cadmium, Dissolved	D	7440-43-9	81	0.5	0.043	ug/L		
Chromium	T	7440-47-3	2.8	2	1	ug/L		
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U
Cobalt	T	7440-48-4	110	0.4	0.12	ug/L		
Cobalt, Dissolved	D	7440-48-4	120	0.4	0.12	ug/L		
Copper	T	7440-50-8	4900	1	0.5	ug/L	E	
Copper, Dissolved	D	7440-50-8	4700	1	0.5	ug/L	E	
Lead	T	7439-92-1	23	0.3	0.06	ug/L		
Lead, Dissolved	D	7439-92-1	2.9	0.3	0.06	ug/L		
Manganese	T	7439-96-5	33000	2.5	1.2	ug/L	E	
Manganese, Dissolved	D	7439-96-5	34000	2.5	1.2	ug/L	E	
Molybdenum	T	7439-98-7	1.9	1	0.45	ug/L		
Molybdenum, Dissolved	D	7439-98-7	0.45	1	0.45	ug/L	U	U
Nickel	T	7440-02-0	72	1	0.4	ug/L		
Nickel, Dissolved	D	7440-02-0	79	1	0.4	ug/L		
Selenium	T	7782-49-2	7.3	10	2.9	ug/L	J	J
Selenium, Dissolved	D	7782-49-2	3.6	2	0.58	ug/L		
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.23	0.2	0.1	ug/L		
Thallium, Dissolved	D	7440-28-0	0.22	0.2	0.1	ug/L		
Vanadium	T	7440-62-2	17	1	0.3	ug/L		J+ Q
Vanadium, Dissolved	D	7440-62-2	1.4	1	0.3	ug/L	B * ^	UB B
Zinc	T	7440-66-6	25000	20	2.8	ug/L	E	
Zinc, Dissolved	D	7440-66-6	25000	20	2.8	ug/L	E ^	

Sample Name A68_082415

Matrix Type: Water

Lab Sample Name: 680-116014-9 Sample Date: 8/24/2015 2:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	

Analysis Method 200.8

Arsenic	T	7440-38-2	0.38	1	0.37	ug/L	J	J
Arsenic, Dissolved	D	7440-38-2	1	1	0.37	ug/L	J B	UB B
Barium	T	7440-39-3	25	2	0.14	ug/L		
Barium, Dissolved	D	7440-39-3	25	2	0.14	ug/L		
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U * ^	U
Cadmium	T	7440-43-9	1.1	0.5	0.043	ug/L		
Cadmium, Dissolved	D	7440-43-9	0.97	0.5	0.043	ug/L		
Chromium	T	7440-47-3	1	2	1	ug/L	U	U
Chromium, Dissolved	D	7440-47-3	1.5	2	1	ug/L	J	J
Cobalt	T	7440-48-4	0.58	0.4	0.12	ug/L		
Cobalt, Dissolved	D	7440-48-4	0.66	0.4	0.12	ug/L		
Copper	T	7440-50-8	5.8	1	0.5	ug/L		
Copper, Dissolved	D	7440-50-8	4.9	1	0.5	ug/L		
Lead	T	7439-92-1	1.8	0.3	0.06	ug/L		
Lead, Dissolved	D	7439-92-1	0.34	0.3	0.06	ug/L		
Manganese	T	7439-96-5	970	2.5	1.2	ug/L		
Manganese, Dissolved	D	7439-96-5	1000	2.5	1.2	ug/L		
Molybdenum	T	7439-98-7	1.8	1	0.45	ug/L		
Molybdenum, Dissolved	D	7439-98-7	1.9	1	0.45	ug/L		
Nickel	T	7440-02-0	2.5	1	0.4	ug/L		
Nickel, Dissolved	D	7440-02-0	3.8	1	0.4	ug/L		
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U
Vanadium	T	7440-62-2	0.54	1	0.3	ug/L	J	J+ Q
Vanadium, Dissolved	D	7440-62-2	13	1	0.3	ug/L	B * ^	UB B
Zinc	T	7440-66-6	280	20	2.8	ug/L		
Zinc, Dissolved	D	7440-66-6	250	20	2.8	ug/L	^	

Analysis Method 2320B-2011

Sample Name	CC06_082415				Matrix Type: Water			
Lab Sample Name:	680-116014-1				Sample Date: 8/24/2015 8:36:00 AM			
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier
Alkalinity	T	STL00171	5	5	5	mg/L	U	U

Analysis Method 2320B-2011

Sample Name	A72_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-10		Sample Date: 8/24/2015 2:40:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	5	5	5	mg/L	U	U	
Sample Name	CC48_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-11		Sample Date: 8/24/2015 3:35:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	5	5	5	mg/L	U	U	
Sample Name	GKMSW01_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-12		Sample Date: 8/25/2015 9:25:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	130	5	5	mg/L			
Sample Name	GKMSW02_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-13		Sample Date: 8/24/2015 5:00:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	30	5	5	mg/L			
Sample Name	GKMSW04_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-14		Sample Date: 8/25/2015 10:30:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	130	5	5	mg/L			
Sample Name	GKMSW05_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-15		Sample Date: 8/25/2015 9:45:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	130	5	5	mg/L			
Sample Name	GKMSW22_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-16		Sample Date: 8/24/2015 2:15:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	110	5	5	mg/L			

Analysis Method 2320B-2011

Sample Name	GKMSW23_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-17		Sample Date: 8/24/2015 2:30:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	130	5	5	mg/L			
Sample Name	GKMSW24_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-2		Sample Date: 8/25/2015 10:20:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	98	5	5	mg/L			
Sample Name	GKMSW20_081815					Matrix Type: Water			
Lab Sample Name:	680-116014-25		Sample Date: 8/25/2015 10:17:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	23	5	5	mg/L			
Sample Name	GKMSW25_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-3		Sample Date: 8/25/2015 10:58:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	27	5	5	mg/L			
Sample Name	GKMSW26_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-4		Sample Date: 8/25/2015 11:10:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	31	5	5	mg/L			
Sample Name	GKMSW27_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-5		Sample Date: 8/25/2015 11:30:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	31	5	5	mg/L			
Sample Name	GKMSW28_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-6		Sample Date: 8/25/2015 11:40:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	30	5	5	mg/L			

Analysis Method 2320B-2011

Sample Name	TP04_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-8		Sample Date: 8/24/2015 11:40:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	5	5	5	mg/L	U	U	

Sample Name	A68_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-9		Sample Date: 8/24/2015 2:00:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	32	5	5	mg/L			

Analysis Method 2340B-2011

Sample Name	CC06_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-1		Sample Date: 8/24/2015 8:36:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	1100	3.3	3.3	mg/L			

Sample Name	A72_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-10		Sample Date: 8/24/2015 2:40:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	220	3.3	3.3	mg/L			

Sample Name	CC48_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-11		Sample Date: 8/24/2015 3:35:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	520	3.3	3.3	mg/L			

Sample Name	GKMSW01_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-12		Sample Date: 8/25/2015 9:25:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	280	3.3	3.3	mg/L			

Sample Name	GKMSW02_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-13		Sample Date: 8/24/2015 5:00:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	160	3.3	3.3	mg/L			

Analysis Method 2340B-2011

Sample Name	GKMSW04_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-14		Sample Date: 8/25/2015 10:30:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	290	3.3	3.3	mg/L			
Sample Name	GKMSW05_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-15		Sample Date: 8/25/2015 9:45:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	290	3.3	3.3	mg/L			
Sample Name	GKMSW22_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-16		Sample Date: 8/24/2015 2:15:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	280	3.3	3.3	mg/L			
Sample Name	GKMSW23_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-17		Sample Date: 8/24/2015 2:30:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	280	3.3	3.3	mg/L			
Sample Name	GKMTW209_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-18		Sample Date: 8/25/2015 10:30:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	61	3.3	3.3	mg/L			
Sample Name	GKMTW330_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-19		Sample Date: 8/25/2015 12:15:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	83	3.3	3.3	mg/L			
Sample Name	GKMSW24_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-2		Sample Date: 8/25/2015 10:20:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	210	3.3	3.3	mg/L			

Analysis Method 2340B-2011

Sample Name	GKMTW381_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-20		Sample Date: 8/24/2015 11:40:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	240	3.3	3.3	mg/L			
Sample Name	GKMTW385_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-21		Sample Date: 8/24/2015 10:30:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	780	3.3	3.3	mg/L			
Sample Name	GKMTW443_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-22		Sample Date: 8/25/2015 10:50:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	180	3.3	3.3	mg/L			
Sample Name	GKMTW493_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-23		Sample Date: 8/25/2015 10:00:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	170	3.3	3.3	mg/L			
Sample Name	GKMTW509_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-24		Sample Date: 8/25/2015 9:20:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	180	3.3	3.3	mg/L			
Sample Name	GKMSW20_081815					Matrix Type: Water			
Lab Sample Name:	680-116014-25		Sample Date: 8/25/2015 10:17:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	190	3.3	3.3	mg/L			
Sample Name	GKMSW25_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-3		Sample Date: 8/25/2015 10:58:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	150	3.3	3.3	mg/L			

Analysis Method 2340B-2011

Sample Name	GKMSW26_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-4		Sample Date: 8/25/2015 11:10:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	150	3.3	3.3	mg/L			
Sample Name	GKMSW27_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-5		Sample Date: 8/25/2015 11:30:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	150	3.3	3.3	mg/L			
Sample Name	GKMSW28_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-6		Sample Date: 8/25/2015 11:40:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	150	3.3	3.3	mg/L			
Sample Name	GKMTW902_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-7		Sample Date: 8/25/2015 10:45:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	200	3.3	3.3	mg/L			
Sample Name	TP04_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-8		Sample Date: 8/24/2015 11:40:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	1200	3.3	3.3	mg/L			
Sample Name	A68_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-9		Sample Date: 8/24/2015 2:00:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	150	3.3	3.3	mg/L			
<i>Analysis Method</i>	245.1								
Sample Name	CC06_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-1		Sample Date: 8/24/2015 8:36:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Analysis Method 245.1

Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	A72_082415							Matrix Type: Water	
Lab Sample Name:	680-116014-10							Sample Date: 8/24/2015 2:40:00 PM	
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	CC48_082415							Matrix Type: Water	
Lab Sample Name:	680-116014-11							Sample Date: 8/24/2015 3:35:00 PM	
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMSW01_082515							Matrix Type: Water	
Lab Sample Name:	680-116014-12							Sample Date: 8/25/2015 9:25:00 AM	
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMSW02_082415							Matrix Type: Water	
Lab Sample Name:	680-116014-13							Sample Date: 8/24/2015 5:00:00 PM	
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMSW04_082515							Matrix Type: Water	
Lab Sample Name:	680-116014-14							Sample Date: 8/25/2015 10:30:00 AM	
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMSW05_082515							Matrix Type: Water	
Lab Sample Name:	680-116014-15							Sample Date: 8/25/2015 9:45:00 AM	
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Analysis Method 245.1

Sample Name	GKMSW22_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-16		Sample Date: 8/24/2015 2:15:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMSW23_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-17		Sample Date: 8/24/2015 2:30:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMTW209_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-18		Sample Date: 8/25/2015 10:30:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMTW330_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-19		Sample Date: 8/25/2015 12:15:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMSW24_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-2		Sample Date: 8/25/2015 10:20:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMTW381_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-20		Sample Date: 8/24/2015 11:40:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Analysis Method 245.1

Sample Name	GKMTW385_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-21		Sample Date: 8/24/2015 10:30:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMTW443_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-22		Sample Date: 8/25/2015 10:50:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMTW493_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-23		Sample Date: 8/25/2015 10:00:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMTW509_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-24		Sample Date: 8/25/2015 9:20:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMSW20_081815					Matrix Type: Water			
Lab Sample Name:	680-116014-25		Sample Date: 8/25/2015 10:17:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMSW25_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-3		Sample Date: 8/25/2015 10:58:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name	GKMSW26_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-4		Sample Date: 8/25/2015 11:10:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes

Analysis Method 245.1

Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U

Sample Name GKMSW27_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-5 **Sample Date:** 8/25/2015 11:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
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Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U

Sample Name GKMSW28_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-6 **Sample Date:** 8/25/2015 11:40:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
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Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U

Sample Name GKMTW902_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-7 **Sample Date:** 8/25/2015 10:45:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
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Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U
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Sample Name TP04_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-8 **Sample Date:** 8/24/2015 11:40:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
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Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U

Sample Name A68_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-9 **Sample Date:** 8/24/2015 2:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
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Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U

Analysis Method 300.0

Sample Name CC06_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-1 **Sample Date:** 8/24/2015 8:36:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
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Chloride	T	16887-00-6	0.35	0.5	0.2	mg/L	J	J
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Analysis Method 300.0

Fluoride	T	16984-48-8	10	0.5	0.2	mg/L		
Nitrate as N	T	14797-55-8	0.023	0.05	0.023	mg/L	U	U
Sulfate	T	14808-79-8	1800	50	20	mg/L		

Sample Name: A72_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-10 **Sample Date:** 8/24/2015 2:40:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	0.85	0.5	0.2	mg/L			
Fluoride	T	16984-48-8	0.58	0.1	0.04	mg/L			
Nitrate as N	T	14797-55-8	0.057	0.05	0.023	mg/L			
Sulfate	T	14808-79-8	190	5	2	mg/L			

Sample Name: CC48_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-11 **Sample Date:** 8/24/2015 3:35:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	0.3	0.5	0.2	mg/L	J	J	
Fluoride	T	16984-48-8	2.1	0.1	0.04	mg/L			
Nitrate as N	T	14797-55-8	0.023	0.05	0.023	mg/L	J	J	
Sulfate	T	14808-79-8	680	25	10	mg/L			

Sample Name: GKMSW01_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-12 **Sample Date:** 8/25/2015 9:25:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	23	0.5	0.2	mg/L			
Fluoride	T	16984-48-8	0.4	0.1	0.04	mg/L			
Nitrate as N	T	14797-55-8	0.055	0.05	0.023	mg/L			
Sulfate	T	14808-79-8	130	5	2	mg/L			

Sample Name: GKMSW02_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-13 **Sample Date:** 8/24/2015 5:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	1	0.5	0.2	mg/L			
Fluoride	T	16984-48-8	0.42	0.1	0.04	mg/L			
Nitrate as N	T	14797-55-8	0.066	0.05	0.023	mg/L			
Sulfate	T	14808-79-8	110	5	2	mg/L			

Analysis Method 300.0

Sample Name	GKMSW04_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-14		Sample Date: 8/25/2015 10:30:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	24	0.5	0.2	mg/L			
Fluoride	T	16984-48-8	0.41	0.1	0.04	mg/L			
Nitrate as N	T	14797-55-8	0.035	0.05	0.023	mg/L	J	J	
Sulfate	T	14808-79-8	130	5	2	mg/L			
Sample Name	GKMSW05_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-15		Sample Date: 8/25/2015 9:45:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	23	0.5	0.2	mg/L			
Fluoride	T	16984-48-8	0.4	0.1	0.04	mg/L			
Nitrate as N	T	14797-55-8	0.034	0.05	0.023	mg/L	J	J	
Sulfate	T	14808-79-8	130	5	2	mg/L			
Sample Name	GKMSW22_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-16		Sample Date: 8/24/2015 2:15:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	24	0.5	0.2	mg/L			
Fluoride	T	16984-48-8	0.43	0.1	0.04	mg/L			
Nitrate as N	T	14797-55-8	0.028	0.05	0.023	mg/L	J	J	
Sulfate	T	14808-79-8	130	5	2	mg/L			
Sample Name	GKMSW23_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-17		Sample Date: 8/24/2015 2:30:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	24	0.5	0.2	mg/L			
Fluoride	T	16984-48-8	0.43	0.1	0.04	mg/L			
Nitrate as N	T	14797-55-8	0.035	0.05	0.023	mg/L	J	J	
Sulfate	T	14808-79-8	130	5	2	mg/L			
Sample Name	GKMSW24_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-2		Sample Date: 8/25/2015 10:20:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	43	0.5	0.2	mg/L			
Fluoride	T	16984-48-8	0.46	0.1	0.04	mg/L			

Analysis Method 300.0

Nitrate as N	T	14797-55-8	0.097	0.05	0.023	mg/L
Sulfate	T	14808-79-8	100	5	2	mg/L

Sample Name GKMSW20_081815 **Matrix Type:** Water

Lab Sample Name: 680-116014-25 **Sample Date:** 8/25/2015 10:17:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	0.85	0.5	0.2	mg/L			
Fluoride	T	16984-48-8	0.54	0.1	0.04	mg/L			
Nitrate as N	T	14797-55-8	0.077	0.05	0.023	mg/L			
Sulfate	T	14808-79-8	150	5	2	mg/L			

Sample Name GKMSW25_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-3 **Sample Date:** 8/25/2015 10:58:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	1.4	0.5	0.2	mg/L			
Fluoride	T	16984-48-8	0.38	0.1	0.04	mg/L			
Nitrate as N	T	14797-55-8	0.028	0.05	0.023	mg/L	J	J	
Sulfate	T	14808-79-8	100	5	2	mg/L			

Sample Name GKMSW26_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-4 **Sample Date:** 8/25/2015 11:10:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	1.2	0.5	0.2	mg/L			
Fluoride	T	16984-48-8	0.38	0.1	0.04	mg/L			
Nitrate as N	T	14797-55-8	0.037	0.05	0.023	mg/L	J	J	
Sulfate	T	14808-79-8	110	5	2	mg/L			

Sample Name GKMSW27_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-5 **Sample Date:** 8/25/2015 11:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	1	0.5	0.2	mg/L			
Fluoride	T	16984-48-8	0.36	0.1	0.04	mg/L			
Nitrate as N	T	14797-55-8	0.028	0.05	0.023	mg/L	J	J	
Sulfate	T	14808-79-8	100	5	2	mg/L			

Sample Name GKMSW28_082515 **Matrix Type:** Water

Lab Sample Name: 680-116014-6 **Sample Date:** 8/25/2015 11:40:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes

Analysis Method 300.0

Chloride	T	16887-00-6	0.91	0.5	0.2	mg/L
Fluoride	T	16984-48-8	0.46	0.1	0.04	mg/L
Nitrate as N	T	14797-55-8	0.06	0.05	0.023	mg/L
Sulfate	T	14808-79-8	100	5	2	mg/L

Sample Name: TP04_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-8 **Sample Date:** 8/24/2015 11:40:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	0.91	0.5	0.2	mg/L			
Fluoride	T	16984-48-8	9.1	0.2	0.08	mg/L			
Nitrate as N	T	14797-55-8	0.023	0.05	0.023	mg/L	U	U	
Sulfate	T	14808-79-8	1600	50	20	mg/L			

Sample Name: A68_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-9 **Sample Date:** 8/24/2015 2:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T	16887-00-6	0.5	0.5	0.2	mg/L			
Fluoride	T	16984-48-8	0.51	0.1	0.04	mg/L			
Nitrate as N	T	14797-55-8	0.046	0.05	0.023	mg/L	J	J	
Sulfate	T	14808-79-8	100	5	2	mg/L			

Analysis Method 4500 H+ B-2011

Sample Name: CC06_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-1 **Sample Date:** 8/24/2015 8:36:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	3.11			SU	HF	J+	H, L

Sample Name: A72_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-10 **Sample Date:** 8/24/2015 2:40:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	6.74			SU	HF	J+	H, L

Sample Name: CC48_082415 **Matrix Type:** Water

Lab Sample Name: 680-116014-11 **Sample Date:** 8/24/2015 3:35:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	3.35			SU	HF	J+	H, L

Analysis Method 4500 H+ B-2011

Sample Name	GKMSW01_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-12		Sample Date: 8/25/2015 9:25:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	8.16			SU	HF	J+	H, L
Sample Name	GKMSW02_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-13		Sample Date: 8/24/2015 5:00:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	7.63			SU	HF	J+	H, L
Sample Name	GKMSW04_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-14		Sample Date: 8/25/2015 10:30:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	7.99			SU	HF	J+	H, L
Sample Name	GKMSW05_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-15		Sample Date: 8/25/2015 9:45:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	8.14			SU	HF	J+	H, L
Sample Name	GKMSW22_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-16		Sample Date: 8/24/2015 2:15:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	8.05			SU	HF	J+	H, L
Sample Name	GKMSW23_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-17		Sample Date: 8/24/2015 2:30:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	8			SU	HF	J	H
Sample Name	GKMSW24_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-2		Sample Date: 8/25/2015 10:20:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	7.55			SU	HF	J+	H, L

Analysis Method 4500 H+ B-2011

Sample Name	GKMSW20_081815					Matrix Type: Water			
Lab Sample Name:	680-116014-25		Sample Date: 8/25/2015 10:17:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	7.24			SU	HF	J	H
Sample Name	GKMSW25_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-3		Sample Date: 8/25/2015 10:58:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	7.64			SU	HF	J+	H, L
Sample Name	GKMSW26_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-4		Sample Date: 8/25/2015 11:10:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	7.64			SU	HF	J+	H, L
Sample Name	GKMSW27_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-5		Sample Date: 8/25/2015 11:30:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	7.65			SU	HF	J+	H, L
Sample Name	GKMSW28_082515					Matrix Type: Water			
Lab Sample Name:	680-116014-6		Sample Date: 8/25/2015 11:40:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	7.68			SU	HF	J+	H, L
Sample Name	TP04_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-8		Sample Date: 8/24/2015 11:40:00 AM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	4.05			SU	HF	J+	H, L
Sample Name	A68_082415					Matrix Type: Water			
Lab Sample Name:	680-116014-9		Sample Date: 8/24/2015 2:00:00 PM						
Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	7.61			SU	HF	J+	H, L